

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of:

Jurgen SCHULZ-HARDER

Serial No : 08/253,855

Filed : June 3, 1994

For : MULTIPLE SUBSTRATE AND PROCESS  
FOR ITS PRODUCTION

Group Art Unit: 1508

Examiner: Lee, ~~Sta~~ Kamp

INFORMATION DISCLOSURE STATEMENT

Commissioner of Patents and Trademarks  
Washington, D.C. 20231

Sir:

Pursuant to Applicant's duty of disclosure, applicant wishes to disclose the following references which the Examiner may deem relevant to the prosecution of the present application. These references are listed on attached PTO Form 1449.

German Patent Appl. 39 06 690  
German Patent Appl. 39 31 996  
German Patent Appl. 39 39 794  
European Patent Appl. 0 149 923

German patent application 39 06 690 is entitled Ceramic-Substrate for Semi-Conductor Power Module, and discloses a ceramic plate which can be divided into multiple smaller plates (8) forming substrates for power semiconductor modules. The larger plate (1) is provided with a plurality of predetermined breaking lines. This references does not teach the bridging of predetermined break lines by an additional metal surface, as recited in claim 1 of the present application.

German patent application 39 31 996 is entitled Semi-Conductor Device with Process for Producing such a Device.

German patent application 39 39 794 is entitled Substrate for Semi-Conductor Circuit.


European patent application 0 149 923 is entitled Microcircuit Substrate and Method for Making Same, and discloses a larger substrate which may be broken along predetermined brake lines or perforation lines to yield individual substrates. There

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is no teaching of additional metal-layers bridging the breaking line.

Applicant submits that the present application is patentable over these references.

Respectfully submitted,

  
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September 2, 1994  
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Attorney Docket No. A-4908.IDS/cat

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